

Lloyd's Register of Shipping.

SURVEYS FOR FREEBOARD.—STEAM SHIPS.

REGULATIONS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
ALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
WITH TOP ALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.

Port of Survey **NEWCASTLE-ON-TYNE**Date of Survey **24 May 1922**Name of Surveyor **G. D. Curken**

Ship's Name SAN ROBERTO <i>Sir H. G. Armstrong & Co. Ltd. Newcastle No 987</i>	Port of Registry and Nationality. <i>London British</i>	Official Number. 146632	Gross Tonnage. <i>approx</i> 7000	Date of Build. 1922	Particulars of Classification. +100 A-1. Carrying petroleum in bulk (contingent)
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Number in Register Book

Registered Dimensions from Ship's Register.	LENGTH.	BREADTH.	DEPTH.	UNDER DECK TONNAGE.
	407.1	52.2	31.4	5225.62
Length on LOADLINE.	407.0	Frame Depth $9\frac{1}{2}$ Rule 7 $\times 2\frac{1}{2}$ $= 42$ <i>to Sheer + 33'</i>	Ceiling $+ 20$ Sheer $+ 11.65$	Peak Zinc Tanks 28.5×51 $28.5 \times 33\frac{1}{2}$ 28.5×12
CORRECTED DIMENSIONS.	407.0	52.121	32.76	5302.12

Co-efficient of fineness..... **.76**
Any modification necessary { **+ .01 bottom Longt.**
[Para. 4 (a) to (e)]*
Co-efficient as corrected **.77**

Sheer { Stem..... $\frac{120}{62}$ $\frac{182}{62} \div 2 = 7.58$... Mean
at { Sternpost ... $\frac{91}{62}$
Sheer at $\frac{1}{2}$ of the length from { Stem $\frac{67\frac{1}{2}}{34}$ $\frac{101\frac{1}{2}}{34} \div 2 = 7.58$... Mean
Gradual mean Sheer **91.8763 = 92.8327**
Standard mean Sheer [Table, Para. 18] **50.70** Correction
Difference..... $\frac{41.177}{40.93} \div 4 = 10.283$
§ If limited as Para. 18 (f) **- 10.4**

Rise in Sheer { At front of bridge house...
from amidships { At after end of forecastle ...

Fall in Sheer {
Para. 18 (d) { $\div 2 =$
Length uncovered Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... **5-0.25**
Correction for Length, if required (Para. 12, 13, and 14) **2.32**
Freeboard by Table A, corrected for sheer, and for length,
if required (Para. 12, 13, and 14) **7-8.66**
Difference **2-6.09**
Percentage as below..... **31.72%**

Correction for R. Q. Dk. if engine and boiler openings not
covered by bridge house (Para. 11)
Allowance for Deck Erections

	Length.	Length allowed.	Height.
Forecastle.....	60	60	7-6
Bridge House	37	37	7-6
† Raised Qr. Dk.....			
Poop.....	105	105	7-6
Total		202	4.96

Length of Ship **407**
Corresponding percentage {
(Para. 11, 12, 13, or 14) **31.72%**

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Iron) Deck:—

Freeboard Water Line	above centre of Disc
Indian Summer Line	" " "
Winter Line	below " "
Winter North Atlantic Line	" " "

If the frames, skin planking,
of sailing should be re-
to vessels obtaining an allow-
ships the height of the R.Q.D. is
high-decked vessels the total stat-
est. In vessels having poops
length of the vessel's length

are of uniform thickness the breadth of vessel to inside
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Moulded Depth as measured..... **31'-6"**

Addition for Keel below base line
for draught record... **2.2** inches.

CORRECTION FOR LENGTH.

Length of Ship on Loadline..... **407.0**
Length in Table **378.0**
Difference **29.0**
Correction for 10ft., Table A. **1.6** Table C.
 \times Difference divided by 10 **4.64** (if required.) **2.32**
If $\frac{1}{10}$ ths length covered divide by 2 **+ 4.34** **+ 2.4**

CORRECTION FOR IRON DECK.

Proportion covered, if less than $\frac{1}{10}$ ths length covered **4.96**
Thickness of usual wood deck, less stringer **3.5**
- 13.4

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... **51.0**
Round of Beam **12.3/4**
Normal round..... **12.3/4**
Difference $\div 2 =$
Proportion of Deck uncovered (Para. 19)

Freeboard, Table A **8-2.25**
Correction for Sheer **10.23**
Correction for Length **4.64**
Allowance for Deck Erections **9.52**
Correction for Round of Beam.....
Correction for fall in Sheer (if any).....
Correction for Iron Deck (if required) **1.3/4**
Additions for non-compliance with provisions of {
Para. 11 (d) and (e) †
Other Corrections (if any)

Winter Freeboard **6-9.1/2**
Summer Freeboard **6-3.1/4**
Indian Summer Freeboard **5-10**
N. A. Winter Freeboard

Correction necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the wood or iron deck with side.

Winter Freeboard from deck line **6-11.1/4**
Summer " " " " **6-5.1/2**
Indian Summer " " " " **5-11.1/4**
N. A. Winter " " " " **6-5.1/2**

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Do all the Frames extend to the top height in the Poop? *yes* Raised Quarter Deck? *no* Bridge House? *yes* Forecastle? *yes*
 To what height do the Reverse Frames extend? *Longitudinal Framing*
 Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *No openings*
 Is the Poop or Raised Quarter Deck connected with the Bridge House? *no* Has the Bridge House an efficient Bulkhead at the fore end? *yes*
 Give particulars of the means for closing the openings in Bulkhead *Steel hinged H. T. doors*
 What is the thickness of the Bridge Front plating? *40* and Coaming plate? *44*
 Give scantlings and spacing of the Stiffeners *8 x 3 1/2 x 6 1/2 B. A. 30" aft and 7 inches 15" x 48*
 Are bracket plates fitted at each end of the Stiffeners? *yes* Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? *yes*
 Has the Bridge House an efficient Iron Bulkhead at the after end? *yes*
 How are the openings closed? *Wash boards in riveted channels*
 Is the Forecastle at least as high as the main or top-gallant rail? *yes* Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? *yes*
 Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? *Poop*
 If the openings are not so protected are the exposed parts of the Casings efficiently constructed? *yes*
 Give thickness of plating; scantlings and spacing of Stiffeners *✓*
 What is the height of the exposed Casings? *✓* Are suitable means provided for closing all openings in them in bad weather? *yes*
 Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:— *yes*

Position and Size.		<i>Yacht 9 x 12</i>									
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING	Height above top of DECK	<i>36"</i>		<i>Oil tight hatches 36" high x 14" coaming and 155 lbs</i>							
	Sides.....	<i>44</i>		<i>" " Summer hatches 33" x 144</i>							
	Ends.....	<i>44</i>		<i>" " " 150 "</i>							
SHIFTING BEAMS OR WEB PLATES.	Number	<i>1</i>									
	Section and Scantlings	<i>7 1/2 x 30</i>									
	Material	<i>steel</i>									
* FORE AND AFTERS.	Number	<i>✓</i>									
	Section and Scantlings	<i>✓</i>									
	Material	<i>✓</i>									
HATCHES Thickness		<i>2 1/2</i>									
Remarks											

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)

The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.

What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____

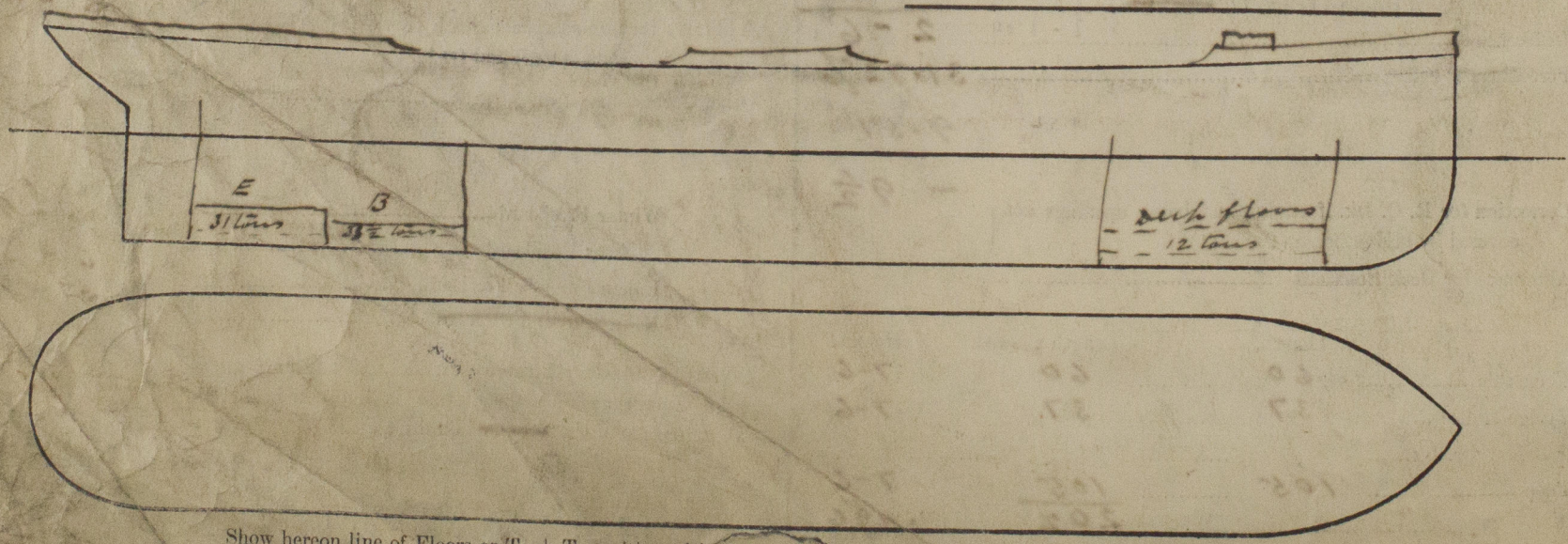
Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____

Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.

Ft.	Tenths.	Ft.	Tenths.	No.	} Freeing Ports (each side of vessel)	=	Sq. ft.
x		x					
x		x					

Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *None. Request form enclosed*
Duplicate plans in London Office. See preliminary Report for vessel 28
28/1/20.

Owners _____
 " Address _____

See £ 12-0-0
 Received by me
 See 1st. Entry